

Uniform Acceleration Lab [p 22, 23 in labbook](#)

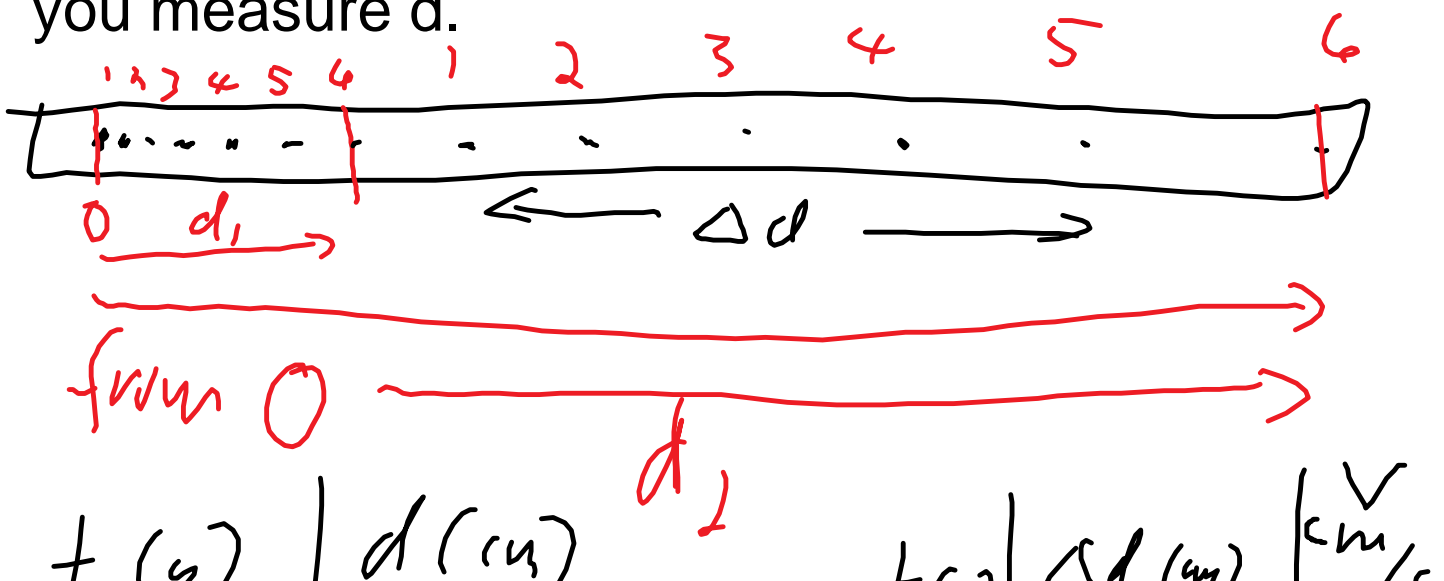
Purpose:

Hypothesis: (think about what the d-t, v-t graphs should look like. What are the equations we derived last class?)

Procedure: Refer to lab manual p22,23.

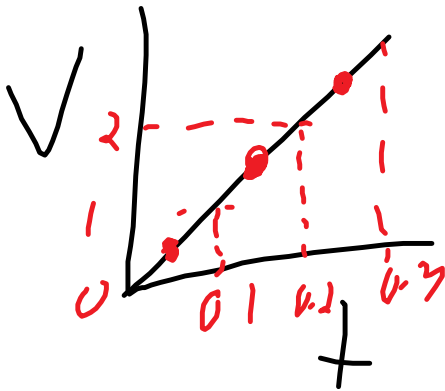
Observations:

Each student need a ticker tape for your own data. You will cut it up and tape it on a graph paper after you measure d.



$t(s)$	$d(m)$
0	0
0.1	3.2
0.2	8.9
⋮	⋮

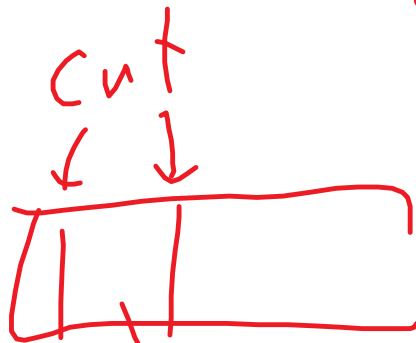
$t(s)$	$\Delta d(m)$	$v \text{ cm/s}$
0.05	$3.2 - 0 = 3.2$	32
0.15	$8.9 - 3.2 = 5.7$	57



4 Graphs

1 - $d - t$ equation
2 - $v - t$ equation

3 - ticker tape



paste

4 - $d \text{ vs } t^2$ equation

check graphs next class, report due Monday